

L Number	Hits	Search Text	DB	Time stamp
1	65	dvd\$4 with tracking with (push\$1pull "push pull" differential)	USPAT	2004/03/25 09:51
2	25	dvd\$4 with tracking with (push\$1pull "push pull") and differential	USPAT	2004/03/25 09:51
3	16	dvd\$4 with tracking with (push\$1pull "push pull") with differential	USPAT	2004/03/25 09:52
-	8	5757758.pn. 5410563.pn. 6363038.pn. 6016301.pn. 6343058.pn. 6067283.pn. 6094308.pn. 5696750.pn..	USPAT	2004/03/25 09:49
-	22553	(plural\$3 or multiple or two) near (laser or ((light or radiation) near (source or emitter)))	USPAT	2003/09/11 11:24
-	5911	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))	USPAT	2003/09/11 11:27
-	1932	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength)) and (diffraction or hologram)	USPAT	2003/09/11 11:28
-	2720	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength)) and (diffraction or hologram or objective)	USPAT	2003/09/11 11:30
-	204	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength)) and (diffraction and hologram and objective)	USPAT	2003/09/11 11:29
-	1066	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength)) and (diffraction or hologram or objective) and optical and (head or pickup or pick-up or (pick adj up))	USPAT	2003/09/11 11:35
-	411	((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength)) and (diffraction or hologram or objective) and optical and (head or pickup or pick-up or (pick adj up)) and 369/\$7.ccls.	USPAT	2003/09/15 09:47
-	1	6313956.pn.	USPAT	2003/09/11 12:38
-	6	6404709.pn. 6067283.pn. 6207942.pn. 6366548.pn. 6084843.pn. 6385158.pn.	USPAT	2003/09/11 13:14
-	11280	(diffract\$4 same (first or (780\$3 and 650\$3) or second) same (laser or light or radiation))	USPAT	2003/09/11 13:18
-	1037	diffract\$4 same (first or (780\$3 and 650\$3) or second) same (laser or light or radiation) same (first-order or ((first or 1st) adj order)) same (zero-order or ((zero or 0th) adj order))	USPAT	2003/09/11 14:39
-	3	diffract\$4 same (first or (780\$3 and 650\$3) or second) same (laser or light or radiation) same (first-order or ((first or 1st) adj order)) same ((zero-order or ((zero or 0th) adj order)) near (all 100\$1))	USPAT	2003/09/11 13:23

-	8	(diffract\$4 near (dvd 650\$3 635\$3)) and 369/\$7.ccls.	USPAT	2003/09/11 14:25
-	2	(refractive adj index) same wavelength same (natural adj number) same (groove near depth)	USPAT	2003/09/11 14:30
-	158	((refractive or reflective) adj index) same (lambda or wavelength) same (groove near depth)	USPAT	2003/09/11 14:56
-	43	((refractive or reflective) adj index) same (lambda or wavelength) same (groove near depth)) and (diffract\$4 near grat\$3)	USPAT	2003/09/11 14:39
-	7	((refractive or reflective) adj index) same (lambda or wavelength) same (groove near depth)) and (diffract\$4 same (first or (780\$3 and (650\$3 635\$3)) or second) same (laser or light or radiation) same (first-order or ((first or 1st) adj order)) same (zero-order or ((zero or 0th) adj order)))	USPAT	2003/09/11 14:40
-	11	((refractive or reflective) adj index) same (lambda or wavelength) same (groove near depth)) and (diffract\$4 same (cd or 780\$3))	USPAT	2003/09/11 14:57
-	9	ohyama-minoru.in.	USPAT	2003/09/11 15:52
-	193	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and 369/\$7.ccls.) and hologram	USPAT	2003/09/11 16:39
-	0	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and 369/\$7.ccls.) and (hologram near nonpolarization)	USPAT	2003/09/11 16:40
-	0	hologram near nonpolarization	USPAT	2003/09/11 16:40
-	2	hologram near (non-polar\$7 nonpolar\$7)	USPAT	2003/09/11 16:42
-	78	hologram near ((phase adj type) or phase-type)	USPAT	2003/09/11 16:43
-	95	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and (step\$5 same grat\$3)	USPAT	2003/09/12 15:25
-	48	hologram near mark\$3	USPAT	2003/09/12 15:26
-	14	(hologram near mark\$3) same (instal\$6 or align\$4)	USPAT	2003/09/12 15:27
-	29469	(nonpolar\$7 non-polar\$7 (non adj polar\$7))	USPAT	2003/09/12 15:38
-	6	(nonpolar\$7 non-polar\$7 (non adj polar\$7)) near (hologram or diffract\$4)	USPAT	2003/09/12 16:09
-	8	(nonpolar\$7 non-polar\$7 (non adj polar\$7)) near (hologra\$4 or diffract\$4)	USPAT	2003/09/12 16:09

-	30	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and (hologram same ((\$8/4 quarter) wave adj plate)) 6567353.pn. 6480455.pn. 6343058.pn. 5850380.pn. 5684762.pn.	USPAT	2003/09/12 16:26
-	5		USPAT	2003/09/15 08:14
-	312	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and (hologram	USPAT	2003/09/15 08:57
-	29	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and (hologram near (phase or phase-type))	USPAT	2003/09/15 09:36
-	32	(((((plural\$3 or multiple or two or second) near (laser or ((light or radiation) near (source or emitter)))) and ((cd and dvd) or (780\$3 and 650\$3) or (different near wavelength))) and (diffraction or hologram or objective)) and optical and (head or pickup or pick-up or (pick adj up))) and (hologra\$5 near (phase or phase-type))	USPAT	2003/09/15 09:37
-	3514	(laser near array) and (optical (head or pickup or pick-up or (pick adj up)))	USPAT	2003/09/15 09:48
-	90	(laser near array) and (optical (head or pickup or pick-up or (pick adj up))) and ((cd and dvd) or (780\$3 and (650\$3 or 635\$3)))	USPAT	2003/09/15 10:09
-	18	((laser near array) and (optical (head or pickup or pick-up or (pick adj up))) and ((cd and dvd) or (780\$3 and (650\$3 or 635\$3)))) and 369/\$7.ccls.	USPAT	2003/09/15 09:53
-	144	((laser near second) and (optical (head or pickup or pick-up or (pick adj up))) and ((cd and dvd) or (780\$3 and (650\$3 or 635\$3)))) and 369/\$7.ccls.	USPAT	2003/09/15 10:12
-	31770	photodetector	USPAT	2003/09/15 12:41
-	1	5198916.pn.	USPAT	2003/09/15 15:05
-	1205	step\$5 near (grat\$3 or diffract\$4 or hologra\$4)	USPAT	2003/09/15 15:20
-	260	(step\$5 near (grat\$3 or diffract\$4 or hologra\$4)) and (head or pick\$1up or (pick adj up))	USPAT	2003/09/15 15:23
-	31	((step\$5 near (grat\$3 or diffract\$4 or hologra\$4)) and (head or pick\$1up or (pick adj up))) and 369/\$7.ccls.	USPAT	2003/09/15 15:23
-	7	mixed adj aberration	USPAT	2003/09/15 16:56
-	1124	(reference fiducial indicia) same (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3) same (holographic\$2 hologram doe hoe)	USPAT	2003/09/16 12:14
-	1	6358764.pn.	USPAT	2003/09/16 09:04

-	1	"5998231".PN.	USPAT	2003/09/16 09:06
-	78	wavelength near select\$3 near diffract\$3	USPAT	2003/09/16 10:09
-	16	(wavelength near select\$3 near diffract\$3) and hologram	USPAT	2003/09/16 10:10
-	22	(wavelength near select\$3 near diffract\$3) and hologra\$4	USPAT	2003/09/16 10:10
-	95	((reference fiducial indicia) same (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3) same (holographic\$2 hologram doe hoe)) and (optical near (head pick\$up (pick adj up)))	USPAT	2003/09/16 11:49
-	12	((reference near (mark\$3 point\$3)) fiducial indicia) same ((instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3) near (holographic\$2 hologram doe hoe))	USPAT	2003/09/16 12:14
-	142	coupling near optical near lens	USPAT	2003/09/16 12:13
-	653	((reference fiducial indicia) same (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3) same (holographic\$2 hologram doe hoe)) and 359/\$7.ccls.	USPAT	2003/09/16 12:14
-	728	((holographic\$2 hologram doe hoe) near ((mark\$3 positioner indicat\$3 indicia fiducial) or (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning))) and 359/\$7.ccls.	USPAT	2003/09/16 12:17
-	14	((holographic\$2 hologram doe hoe) near (mark\$3 positioner indicat\$3 indicia fiducial)) same ((instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning) near (holographic\$2 hologram doe hoe)) and (359/\$7.ccls. or 369/\$7.ccls.)	USPAT	2003/09/16 12:26
-	35	((holographic\$2 hologram doe hoe) near (mark\$3 positioner indicat\$3 indicia fiducial)) same (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning)) and (359/\$7.ccls. or 369/\$7.ccls.)	USPAT	2003/09/16 12:27
-	7	((holographic\$2 hologram doe hoe) near (mark\$3 positioner indicat\$3 indicia fiducial) near (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning)) and (359/\$7.ccls. or 369/\$7.ccls.)	USPAT	2003/09/16 12:27
-	30	((holographic\$2 hologram doe hoe) near (mark\$3 position\$3 indicat\$3 indicia fiducial) near (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning)) and (359/\$7.ccls. or 369/\$7.ccls.)	USPAT	2003/09/16 12:35
-	118	((holographic\$2 hologram doe hoe) same ((mark\$3 position\$3 indicat\$3 indicia fiducial) near (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning))) and (359/\$7.ccls. or 369/\$7.ccls.)	USPAT	2003/09/16 12:36
-	18	((holographic\$2 hologram doe hoe) same ((mark\$3 position\$3 indicat\$3 indicia fiducial) near (instal\$6 align\$4 assembl\$3 manufactur\$3 fabricat\$3 positioning))) and (359/\$7.ccls. or 369/\$7.ccls.) and (optical near (head pick\$up (pick adj up)))	USPAT	2003/09/16 12:37
-	0	kiyoshi-toyoda.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:46

-	100994	kiyoshi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:49
-	1743	kiyoshi.in. and sony.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:46
-	545	kiyoshi.in. and sony.as. and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:47
-	52	kiyoshi.in. and sony.as. and optical and diffract\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:48
-	2	11185282.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:49
-	227	toyoda-kiyoshi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:49
-	56	toyoda-kiyoshi.in. and sony.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:49
-	8	toyoda-kiyoshi.in. and sony.as. and optical and diffract\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:50
-	53	toyoda-kiyoshi.in. and sony.as. and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:52
-	1028	kato-masayuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:53
-	302	kato-masayuki.in. and fujitsu.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:53
-	41	kato-masayuki.in. and fujitsu.as. and pickup	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 10:53
-	46	kato-masayuki.in. and fujitsu.as. and pick\$1up	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/22 13:03
-	19	dvd with ((three\$1beam "three beam") adj method)	USPAT	2004/03/22 13:23
-	19	dvd\$4 with ((three\$1beam "three beam") adj method)	USPAT	2004/03/22 13:23
-	3	("6304540" "6430138" "6452880").PN.	USPAT	2004/03/22 13:23

-	794	369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)	USPAT	2004/03/24 12:13
-	131	(369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)) and (diffract\$3 near3 (second plural\$3 multiple different)) and (diffract\$3 with (first dvd\$4 "650" "650nm" "655" "655nm") with (wave\$1length light beam)) and (diffract\$3 with (second cd\$4 "785" "780" "780nm" "775") with (wave\$1length light beam))	USPAT	2004/03/24 11:52
-	59	(369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)) and (diffract\$3 near3 (second plural\$3 multiple different)) and (diffract\$3 with (first dvd\$4 "650" "650nm" "655" "655nm") with (wave\$1length light beam) with (pass\$3)) and (diffract\$3 with (second cd\$4 "785" "780" "780nm" "775") with (wave\$1length light beam) with (pass\$3))	USPAT	2004/03/24 12:14
-	101	369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) with (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)	USPAT	2004/03/24 12:14
-	12	(369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) with (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)) and ((369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)) and (diffract\$3 near3 (second plural\$3 multiple different)) and (diffract\$3 with (first dvd\$4 "650" "650nm" "655" "655nm") with (wave\$1length light beam) with (pass\$3)) and (diffract\$3 with (second cd\$4 "785" "780" "780nm" "775") with (wave\$1length light beam) with (pass\$3)))	USPAT	2004/03/24 12:16
-	12	(369/\$7.ccls. and ((laser ((radiation light) adj (source emit\$4))) with (mono\$1lythic mono\$1lithic hybrid array (single adj (housing package)))) and ((plural\$3 different multiple second\$3) adj wavelength)) and ((three\$1beam "three beam") adj method)	USPAT	2004/03/24 12:17
-	4	((("6211511" "5684762" "6404709" "5986996" "6072579" "6115345" "6584060" "5687153" "5757754" "6240253" "5570333").pn.) and (non\$1polar\$8 (non adj polar\$8)))	USPAT	2004/03/24 15:38
-	8	((("6211511" "5684762" "6404709" "5986996" "6072579" "6115345" "6584060" "5687153" "5757754" "6240253" "5570333").pn.) and (polar\$8))	USPAT	2004/03/24 15:39

-	11	("6211511" "5684762" "6404709" "5986996" "6072579" "6115345" "6584060" "5687153" "5757754" "6240253" "5570333").pn.	USPAT	2004/03/24 15:50
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